

# Gatco, Inc.

## Precision Floating Line Boring Bar Holders

Data Sheet 1004

### Gatco, Inc. Introduces Precision Floating Line Bar Holders

These toolholders are most commonly used to drive the line bar while boring the cam and crank bore on engine blocks. They will also handle any cutting tool operations where misalignment between the spindle and the part is excessive.



Gatco collaborates with the major cutting tool companies, machines builders as well as the end user to provide the optimum design for their operation.

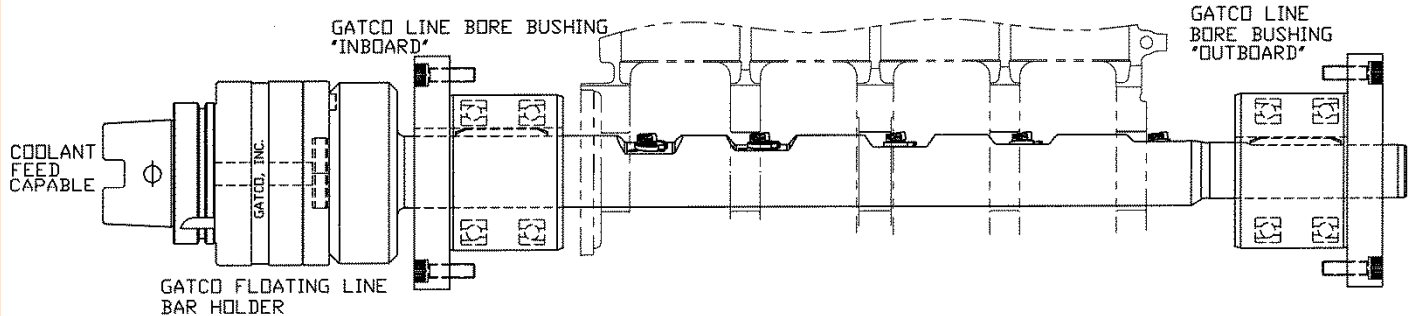
### Benefits

- Designed for rotary bushing line boring
- Eliminates oversized, out of round and bellmouthed holes
- Compensates for misalignment between the machine spindle and the rotary bushing supports
- Eliminates bushing and spindle wear

### Features

- Anti-friction float .030" (.76 mm) maximum from centerline
- Through coolant available on request
- Sealed against contamination
- Grease lubricated
- Used in push and pull line boring
- Provided with zero backlash for high accuracy and sizing
- Designed for the spindle mount and tool mount you require

# Precision Floating Line Boring Bar Holders



*Typical Line Boring Operation*

Normally in precision line boring applications, alignment between the rotary bushing supports and the machine spindle are critical to holding precision machined part tolerances. By using Gatco's Floating Holder, alignment between the spindle and the supports becomes less critical because the floating toolholder compensates for parallel misalignment. This allows the spindle and floating holder to strictly transmit power to the line bar, rather than control precision alignment. Bar location, alignment and runout is controlled by the rotary bushing supports alone.

Gatco's unique design incorporates many features not found in other floating holders. The float mechanism incorporates high torque capability as well as high thrust capacity to absorb all forces generated by the cut. Floating tool holders can be designed to accept coolant fed through the spindle or coolant inducers can be incorporated to pipe coolant from an external source. Gatco's floating line bar holders can be provided with any number of shank and pilot combinations such as CAT, HSK, SK, ABS and straight pilot, as well as others.

Gatco rebuilds all floating holder brands. Our rebuilding program restores the holder to its original specifications. Life expectancy of a rebuilt holder will be the same as new.

Gatco's Precision Floating Line Boring Bar Holders when used in conjunction with Gatco's Precision Line Boring Rotary Bushings (Data Sheet 1001) will provide the line boring operation with the most advanced technology today.

**Send us a sketch of your needs and we will prepare a no-obligation design for your review.**